

Serial No. 10/808,650

Response to December 15, 2005, Office Action -2-

Docket No. 1948-4841

Listing of Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A method of fixing a power light-emitting diode having a metallic base to a metallic heat-radiating element comprising the step of laser spot welding the base of the light-emitting diode to the radiating element, wherein the heat-radiating element is coated with a layer of a metal, able to absorb the energy of a laser light.
2. (Canceled).
3. (Previously presented) A method according to Claim 1, wherein each welding spot has a centre and wherein the centres of the welding spots are distributed substantially regularly over a contour parallel to the external perimeter of the base.
4. (Previously presented) A method according to Claim 1, wherein the welding spots are produced in the vicinity of the external perimeter of the base.
5. (Currently amended) An indicating or lighting device for a car, comprising a power light-emitting diode having a base mainly made from copper which is fixed to a metallic heat-radiating element, wherein the base of the diode is fixed by laser spot welding to the heat-radiating element, which is covered with a layer of a metal for absorbing laser radiation.

67934 v1

Serial No. 10/808,650

Response to December 15, 2005, Office Action -3-

Docket No. 1948-4841

6. (Cancelled).

7. (Previously presented) A device according to Claim 5, wherein each welding spot has a centre and wherein the centres of the welding spots are distributed substantially regularly over a contour parallel to the external perimeter of the base.

8. (Previously presented) A device according to Claim 7, wherein the welding spots are distributed adjacent to the external perimeter of the base.

9. (Previously presented) A device according to Claim 5, comprising projections on the radiating element for centering the base of the diode.

10. (Currently amended) A device according to Claim 5, wherein the electrodes of from the diode are laser spot welded to conductive lugs.

11. (Currently amended) A device according to Claim 5, wherein the heat-radiating element to which the base of the light-emitting diode is fixed is attached to an insulating support situated on the opposite side to the diode with respect to the radiating element, said insulating support comprising electrical connection lugs, each electrode of the diode being connected respectively to a lug, the insulating support comprising openings in line with the base and openings in line with the electrodes of from the diode for passage of the laser welding beam.

Serial No. 10/808,650

Response to December 15, 2005, Office Action -4-

Docket No. 1948-4841

12. (Previously presented) A device according to Claim 11, wherein the connecting lugs are situated on the side of the insulating support disposed towards the radiating element.

13. (Previously presented) A device according to Claim 11, wherein the connecting lugs are situated on the side of the insulating support opposite to the heat-radiating element and the connection between each connecting lug and the corresponding electrode of the diode is effected through a window provided in the insulating support and another window provided in the radiating element.

14. (Currently amended) A device according to Claim 5, wherein the heat-radiating element to which the base of the light-emitting diode is fixed is attached to an insulating support situated on the same side as the diode with respect to the heat-radiator heat-radiating element, an opening being provided in the insulating support in line with the base of the light-emitting diode for its housing the base and its coming into providing contact with the radiator heat-radiating element, and openings being provided for the electrodes from the light-emitting diode.

15. (Currently amended) A device according to Claim 5, wherein the insulating support is moulded onto the heat-radiating element, providing openings in line with the location of the base and electrodes of the light-emitting diode and for the electrodes.

16. (Cancelled).

67934 v1

Serial No. 10/808,650

Response to December 15, 2005, Office Action -5-

Docket No. 1948-4841

17. (Previously presented) A device according to Claim 5, wherein the heat radiator is principally composed of copper.

67934 v1